Claims

1. A method for receiving a digital broadband transmission for saving power in a receiver, the method comprising the steps of:

   providing information on parts of the digital broadband transmission, which are adapted to fit for saving the power in the receiver, for detecting said parts in the receiver,

   detecting said parts based on said provided information, and

   switching at least part of the receiver on/off based on said provided information.

2. A method according to claim 1, wherein the step of detecting further comprises step of separating said digital broadband transmission based on said provided information to said parts fitting for saving the power in the receiver and parts not fitting for saving the power in the receiver.

3. A method according to claim 1, wherein at least one of said parts comprises a time sliced elementary stream, and said method further comprises step of identifying at least one time sliced elementary stream carried over a broadband network.

4. A method according to claim 1, wherein said provided information includes information on a size of a service session contained in a burst of the digital broadband transmission, and said method further comprises step of:

   comparing available memory in the receiver to said size, and

   switching at least part of the receiver on/off based on a result obtained in said comparison.

5. A method according to claim 1, wherein the step of switching comprises steps of

   switching the receiver functionally on during relevant bursts of the digital broadband transmission relating to a uniform data concept, and

   switching the receiver at least partly off otherwise.

6. A method according to claim 1, wherein the digital broadband transmission is at least partly adapted to fit a principle wherein the receiver is functionally on during cyclical relevant bursts of the digital broadband transmission relating to a same service and at least partly off otherwise.

7. A method according to claim 1, wherein said parts comprise at least one of elementary streams of the digital broadband transmission and transport streams referred to in a NIT table.

8. A method according to claim 1, wherein said digital broadband transmission at least partly comprises a time slice data broadband transmission.

9. A method according to claim 1, wherein the step of providing information comprises step of transmitting a descriptor of the digital broadband transmission.

10. A method according to claim 9, wherein the descriptor is adapted to specify maximum number of bits per a service session that the digital broadband transmission is providing within a burst of the digital broadband transmission.

11. A method according to claim 10, wherein IP data streams contained in at least one elementary stream are transmitted in accordance with time slicing broadband transmission.

12. A method according to claim 10, wherein the receiver is adapted to fit a memory usage of the receiver in accordance with the service session.

13. A method according to claim 1, wherein the step of providing information comprises step of limiting a size of a burst of the digital broadband transmission per a service session of the digital broadband transmission.

14. A method according to claim 1, wherein the step of providing information comprises step of indicating a maximum burst duration.

15. A method according to claim 14, wherein said power saving is applicable, if a remainder of the burst is lost.

16. A method according to claim 1, wherein the step of providing information comprises step of indicating a version of a time slice data broadband transmission.

17. A method according to claim 1, wherein the step of providing information comprises step of indicating that an elementary stream contained within transport stream is not transmitted in accordance with time slice data broadband transmission of the digital broadband transmission.

18. A method according to claim 16, wherein a broadband network of the digital broadband transmission is adapted to operate at multiprotocol encapsulation level and transmission stream level simultaneously with the different versions.

19. A method according to claim 1, wherein the step of providing information comprises step of indicating, to the receiver, a tolerance for a timing for a reception of a burst of the digital broadband transmission.

20. A method according to claim 1, wherein said information is provided in SI/PSI tables of the digital broadband transmission.

21. A method according to claim 20, wherein said information is provided in a NIT table for providing information per each transport stream of the digital broadband transmission.

22. A method according to claim 20, wherein said information is provided in a PMT table for providing information per each elementary stream.

23. A method according to claim 20, wherein said information is provided in a INT table for providing information per each elementary stream carrying at least one IP/MAC stream of the digital broadband transmission.

24. A method according to claim 23, wherein a descriptor is contained in the INT table for reducing a bandwidth of the digital broadband transmission.

25. A method according to claim 1, wherein the digital broadband transmission comprises a multi-carrier signal transmission.

26. A method according to claim 1, wherein the digital broadband transmission comprises DVB transmission.

27. A method according to claim 26, wherein the DVB transmission comprises a DVB-T transmission.

28. A method according to claim 1, wherein the digital broadband transmission comprises a wireless digital broadband transmission.

29. A method according to claim 28, wherein the wireless digital transmission comprises a mobile DVB-T transmission.

30. A method for transmitting a digital broadband transmission for saving power in a receiver, the method comprising the steps of:

providing information on parts of the digital broadband transmission, which are adapted to fit for saving the power in the receiver, for categorising said parts for an identification in the receiver, and

categorising said parts based on said provided information for switching at least part of the receiver on/off in accordance with said provided information.

31. A method according to claim 30, wherein the step of categorising further comprises step of categorising said digital broadband transmission based on provided information to said parts fitting for saving the power in the receiver and parts not fitting for saving the power in the receiver.

32. A method according to claim 30, wherein at least one of said parts comprises a time sliced elementary stream, and said method further comprises step of identifying at least one time sliced elementary stream carried over a broadband network.

33. A method according to claim 30, wherein the digital broadband transmission is at least partly transmitted as bursts consecutive bursts relating to a different service.

34. A method according to claim 30, wherein the digital broadband transmission is at least partly transmitted as sequential bursts each burst within a sequence defining a different service.

35. A method according to claim 30, wherein said parts comprise at least one of elementary streams of the digital broadband transmission and transport streams referred to in a NIT table.

36. A method according to claim 30, wherein said transmission at least partly comprises time slice data broadcast transmission.

37. A data processing system comprising means for carrying out the steps of the method according to claims 1 or 30.

38. A computer program comprising computer program code means adapted to perform the steps of the method of claims 1 or 30 when said program is run on a computer.

39. A computer program as claimed in claim 38 embodied on a computer readable medium.

40. A computer readable medium comprising program code adapted to carry out the method of claims 1 or 30 when run on a computer.

41. A carrier medium carrying the computer executable program of claims 38.

42. A system for providing a digital broadband transmission for saving power in a receiver, comprising:

    means for providing information on parts of the digital broadband transmission, which are adapted to fit for saving the power in the receiver, for detecting said parts in the receiver,

    means for detecting said parts based on said provided information, and

    means for switching at least part of the receiver on/off based on said provided information.

43. A system according to claim 42, wherein the means for detecting further comprises means for separating said digital broadband transmission based on said provided information to said parts fitting for saving the power in the receiver and parts not fitting for saving the power in the receiver.

44. A system according to claim 42, wherein the parts comprise at least one of elementary streams of the digital broadband transmission and transport streams referred to in a NIT table.

45. A system according to claim 42, wherein the digital broadband transmission at least partly comprises a time slice data broadband transmission.

46. A system according to claim 42, wherein at least one of said parts comprises a time sliced elementary stream, and said system further comprises means for

identifying at least one time sliced elementary stream carried over a broadband network.

47. A system according to claim 42, wherein said provided information includes information on a size of a service session contained in a burst of the digital broadband transmission, and said system further comprises:

means for comparing available memory in the receiver to said size, and

means for switching at least part of the receiver on/off based on a result obtained in said comparison.

48. A receiver for receiving a digital broadband transmission for saving power in a receiver, comprising:

means for receiving information on parts of the digital broadband transmission, which are adapter to fit for saving the power in the receiver, for detecting said parts,

means for detecting said parts based on said received information, and

means for switching at least part of the receiver on/off based on said received information.

49. A receiver according to claim 48, wherein the means for detecting further comprises means for separating said digital broadband transmission based on said provided information to said parts fitting for saving the power in the receiver and parts not fitting for saving the power in the receiver.

50. A receiver according to claim 48, wherein the parts comprise one of elementary streams of the digital broadband transmission and transport streams referred to in a NIT table.

51. A receiver according to claim 48, wherein the digital broadband transmission at least partly comprises time slice data broadcast transmission.

52. A receiver according to claim 48, wherein the receiver further comprises a mobile DVB-T receiver.

53. A receiver according to claim 52, wherein the receiver further comprises a mobile station for interaction with the digital broadcast transmission.

54. A receiver according to claim 48, wherein at least one of said streams comprises a time sliced elementary stream, and said receiver further comprises means for identifying at least one time sliced elementary stream carried over a broadband network.

55. A receiver according to claim 48, wherein said provided information includes information on a size of a service session contained in a burst of the digital broadband transmission, and said receiver further comprises:

means for comparing available memory in the receiver to said size, and

means for switching at least part of the receiver on/off based on a result obtained in said comparison.

56. A transmitter for transmitting a digital broadband transmission for saving power in a receiver, comprising:

means for providing information on parts of the digital broadband transmission, which are adapted to fit for saving the power in the receiver, for categorising said parts for an identification in the receiver, and

means for categorising said parts based on said provided information for switching at least part of the receiver on/off in accordance with said provided information.

57. A transmitter according to claim 56, wherein the means for categorising further comprises means for categorising said digital broadband transmission based on provided information to said parts fitting for saving the power in the receiver and parts not fitting for saving the power in the receiver.

58. A transmitter according to claim 56, wherein the parts comprise one of elementary streams of the digital broadband transmission and transport streams referred to in a NIT table.

59. A transmitter according to claim 56, wherein the digital broadband transmission at least partly comprises time slice data broadcast transmission.

60. A transmitter according to claim 56, wherein at least one of said parts comprises a time sliced elementary stream, and said transmitter further comprises means for categorising at least one time sliced elementary stream carried over a broadband network.

61. A transmitter according to claim 56, wherein said provided information includes information on a size of a service session contained in a burst of the digital broadband transmission, and said transmitter further comprises:

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means for adapting the receiver to compare available memory in the receiver to said size, and to switch at least part of the receiver on/off based on a result obtained in said comparison.

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